## What is claimed is:

- 1 1. A method of providing voice responses to commands comprising the steps of:
- 2 receiving a first command;

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3 \ selecting a first processing option in response to said first command;

providing a voice message indicative of said first processing option selected;

providing a silent delay period of a predetermined duration immediately subsequent

to a completion of said step of providing a voice message; and

selectively (i) initiating alternate processing in response to a receipt of a second command input during said silent delay period, and (ii) initiating said first processing option in response to an absence of said second command input for a duration of said silent delay period.

- 2. The method according to claim 1 wherein said duration of said silent delay period is in a range of 1.2 to 2.3 seconds.
- 1 3. The method according to claim 2 wherein said duration of said silent delay period 2 is in a range of 1.5 to 2.0 seconds.
- 1 4. The method according to claim 3 wherein said duration of said silent delay period
- 2 is 1.8 seconds.

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The method according to claim 1 wherein said first command comprises a speech

input

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			A method of telephone dialing using a voice activated dialer including a directory
]	l	6.	A method comprising the steps of:
2	2	of sub	scriber names and telephone numbers, the method comprising the steps of:
	3		selecting one of said subscribers most closely corresponding to a first speech input;
	4		providing a speech output corresponding to the selected one of said subscribers;
	٠ 5 ح	22	providing a silent delay period of a predetermined duration immediately subsequent
	6		to a completion of said step of providing a speech output; and
	7		selectively (i) initiating alternate processing in response to a receipt of a command
	8		input during said silent delay period, and (ii) dialing the telephone number
ling them the	9		corresponding to the selected one of said subscribers immediately after said
II I dies Tenn And And Asse And Sod	10		delay period and in response to an absence of said command input for a
	11		duration of said silent delay period.
	11		
	1	7.	The method according to claim 6 wherein said duration of said silent delay period

- The method according to claim 7 wherein said duration of said silent delay period 1 8.
- is in a range of 1.5 to 2.0 seconds. 2

is in a range of 1.2 to 2.3 seconds.

- The method according to claim 8 wherein said duration of said silent delay period 9. 1
- is 1.8 seconds. 2

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- 1 10. The method according to claim 6 wherein said command input comprises a DTMF
- 2 audio signal.
- 1 11. The method according to claim 6 wherein said command input comprises a second
- 2 speech input and said method further comprises a step of listening for said second speech
- 3 input.
- 1 12. The method according to claim 11 wherein said second speech input comprises a
- 2 predetermined spoken command.
- 1 13. The method according to claim 11 wherein said second speech input comprises one
- 2 of a plurality of predetermined spoken commands.
- 1 14. The method according to claim 11 wherein said step of listening includes
- 2 recognizing said second speech input to provide speech content data and comparing said
- 3 speech content data with a list of alternative processing commands.
- 1 15. The method according to claim 11 further comprising the steps of:
- 2 receiving said first speech input;
- 3 recognizing a content of said first speech input; and
- 4 comparing said content with said directory.

- 1 16. The method according to claim 15 wherein said command input comprises a second
- 2 speech signal and said method further comprises a step of listening for said second speech
- 3 input.
- 1 17. The method according to claim 16 wherein said step of listening includes the steps
- 2 of:
- 3 receiving said second speech input;
- 4 recognizing a content of said second speech input; and
- 5 comparing said content with a list of alternative processing commands.
- 1 18. The method according to claim 16 wherein said duration of said silent delay period
- 2 is in a range of 1.2 to 2.3 seconds.
- 1 19. The method according to claim 18 wherein said duration of said silent delay period
- 2 is in a range of 1.5 to 2.0 seconds.
- 1 20. The method according to claim 19 wherein said duration of said silent delay period
- 2 is 1.8 seconds.
- 1 21. The method according to claim 16 wherein said step of providing a speech output
- 2 includes retrieving audio data corresponding to said selected one of said subscribers and
- 3 converting said audio data into said speech output.

- 1 22. The method according to claim 21 wherein said step of converting said audio data
- 2 into said speech output includes decoding said audio data.
- 1 23. The method according to claim 21 wherein said step of converting said audio data
- 2 into said speech output includes concatenating a plurality of phonemes.
- 1 24. The method according to claim 21 wherein said step of converting said audio data
- 2 into said speech output includes a step of synthesizing speech from said audio data.
- 1 25. The method according to claim 6 wherein said alternate processing includes
- 2 providing a speech output corresponding to the telephone number of said selected one of
- 3 said subscribers.
- 1 26. The method according to claim 6 wherein said alternate processing includes
- 2 providing an alternate telephone number of said selected one of said subscribers.
- 1 27. The method according to claim 26 including dialing said alternate telephone number
- 2 of said selected one of said subscribers and supplying a data signal corresponding to said
- 3 selected one of said subscribers to a remote system.
- 1 28. The method according to claim 27 wherein said data signal represents said telephone
- 2 number of said selected one of said subscribers.

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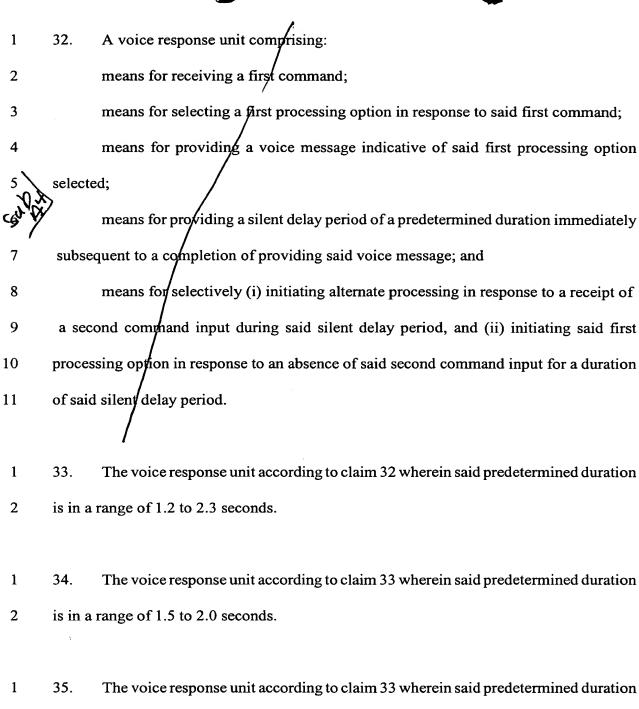




- 1 29. A method of telephone dialing using a voice activated dialer including a directory
  2 of subscriber names and telephone numbers, the method comprising the steps of:
  3 receiving a first speech input:
  4 recognizing said first speech input to provide first speech content data;
  5 selecting one of said subscribers most closely corresponding to said first speech
  6 content data;
  - providing a speech output corresponding to the selected one of said subscribers; providing a silent delay period of a predetermined duration within a range of 1.2 to 2.3 seconds immediately subsequent to a completion of said step of providing a speech output;
  - listening for a second speech input during said silent period;
    recognizing said second speech input to provide second speech content data; and
    selectively (i) initiating alternate processing in response to said second speech
    content data including an alternate processing command, and, otherwise, (ii) dialing the
    telephone number corresponding to the selected one of said subscribers immediately after
    said delay period.
- 1 30. The method according to claim 29 wherein said predetermined duration of said silent delay period is in a range of 1.5 to 2.0 seconds.
- 1 31. The method according to claim 30 wherein said predetermined duration of said silent delay period is 1.8 seconds.

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2 of said silent delay period is 1.8 seconds.

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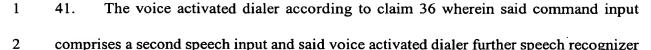
A voice activated dialer comprising:

a memory storing a directory of subscriber names and telephone numbers;

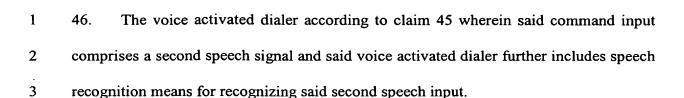
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3	comparison means for selecting one of said subscribers most closely corresponding
4	to a first speech input;
5	speech output means for providing a speech output corresponding to the selected
6	one of said subscribers;
7	timer means for providing a silent delay period of a predetermined duration
8	immediately subsequent to a completion of providing said speech output; and
9	control means for selectively (i) initiating alternate processing in response to a
10	receipt of a command input during said silent delay period, and (ii) dialing the telephone
11	number corresponding to the selected one of said subscribers immediately after said delay
12	period and in response to an absence of said command input for a duration of said silent
13	delay period.
1	37. The voice activated dialer according to claim 36 wherein said duration of said silent
2	delay period is in a range of 1.2 to 2.3 seconds.
1	38. The voice activated dialer according to claim 37 wherein said duration of said silent
2	delay period is in a range of 1.5 to 2.0 seconds.
1	39. The voice activated dialer according to claim 38 wherein said duration of said silent
2	delay period is 1.8 seconds.

1 40. The voice activated dialer according to claim 36 wherein said command input comprises a DTMF audio signal.



- comprises a second speech input and said voice activated dialer further speech recognizer
- 3 means for listening for said second speech input.
- 1 42. The voice activated dialer according to claim 41 wherein said speech recognizer
- 2 means is responsive to a predetermined spoken command.
- 1 43. The voice activated dialer according to claim 41 wherein said speech recognizer
- 2 means is responsive to a plurality of predetermined spoken commands.
- 1 44. The voice activated dialer according to claim 41 wherein said recognizer means
- 2 includes means for processing said second speech input to provide speech content data and
- 3 means for comparing said speech content data with a list of alternative processing
- 4 commands.
- 1 45. The voice activated dialer according to claim 36 further comprising:
- 2 input means receiving said first speech input;
- 3 speech recognition means for recognizing a content of said first speech input; and
- 4 processing means for comparing said content with said directory.



- 1 47. The voice activated dialer according to claim 46 wherein said speech recognition
  2 means includes:
- 3 an input receiving said second speech input;
- speech processing means for recognizing a content of said second speech input; and processor means for comparing said content with a list of alternative processing commands.
- 1 48. The voice activated dialer according to claim 47 wherein said duration of said silent 2 delay period is in a range of 1.2 to 2.3 seconds.
- 1 49. The voice activated dialer according to claim 48 wherein said duration of said silent 2 delay period is in a range of 1.5 to 2.0 seconds.
- 1 50. The voice activated dialer according to claim 49 wherein said duration of said silent 2 delay period is 1.8 seconds.
- The voice activated dialer according to claim 36 wherein said speech output means includes a memory storing audio data corresponding to said selected one of said subscribers and audio player means for converting said audio data into said speech output.

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	1	72. A voice activated dialer comparising.
	2	a memory storing a directory of subscriber names and telephone numbers;
	3	a speech recognition engine receiving a speech input and providing content data
	4	derived from said speech input signal;
	50,0	a processor responsive to said content data for selecting one of said subscribers;
•	-6 X	an audio output providing a speech signal corresponding to the selected one of said
	7	subscribers; and
երբե Կույք գույս կույն կույն	8	a timer providing a silent delay period of a predetermined duration immediately
ույր Կեպե գո	9	subsequent to a completion of providing said speech signal,
	10	wherein said processor selectively (i) initiates alternate processing in response to
=	11	a receipt of a command input during said silent delay period, and (ii) initiates a dialing of
	12	the telephone number corresponding to the selected one of said subscribers immediately
	13	after said delay period and in response to an absence of said command input for a duration
	14	of said silent delay period.
	1	53. The voice activated dialer according to claim 52 wherein said duration of said silent
	2	delay period is in a range of 1.2 to 2.3 seconds.

54. The voice activated dialer according to claim 53 wherein said duration of said silent delay period is in a range of 1.5 to 2.0 seconds.

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1	55.	A voice activated diator comprising.
2		a memory storing a directory of subscriber names and telephone numbers;
3		a speech recognition engine responsive to a speech input for providing speech
4	conte	ent data; and
5		a processor responsive to said speech content data and to a set of instructions for
6	/	(i) selecting one of said subscribers most closely corresponding to first
2	DA D	speech content data;
8 ,	/	(ii) providing a speech output corresponding to the selected one of said
9		subscribers
10		(iii) providing a silent delay period of a predetermined duration within a
11		range of 1.2 to 2.3 seconds immediately after providing said speech output;
12		(iv) initiating alternate processing in response to second speech content data
13		including an alternate processing command, and, otherwise, (ii) dialing the
14	teleph	one number corresponding to the selected one of said subscribers immediately after
15	said d	elay period.
1	56.	The voice activated dialer according to claim 55 wherein said predetermined
2	durati	on of said silent delay period is in a range of 1.5 to 2.0 seconds.

1 57. The voice activated dialer according to claim 56 wherein said predetermined 2 duration of said silent delay period is 1.8 seconds.